**IT Applications Unit 3, AOS 2, Organisations and Data Management**

**Developing a RDMS, p 113-119**

**In creating the database the following is carried out:**

Creating the tables and relationships

Setting up the queries

Input forms

Creating macros

**Testing the solution, p 115**

1. Why is testing carried out?

* To ensure that all features and functions work correctly and that the information produced is free from errors.

1. Distinguish between informal and formal testing.

* Informal: occurs during the development stage
* Formal: involves testing the overall solution after it has been completed to see if it solves the problem

1. Formal testing:
   1. Bench Test
      1. What does a bench test entail?
      * Uses sample data to determine how the solution behaves
   2. Describe User acceptance testing.
   * Ensures that the solution meets the needs of its intended users.
2. Testing validation
   1. Testing should test the boundaries of the validation rule. What does this mean?
   * Testing the boundaries means they test to see if the validation works and no incorrect data can be entered
3. Testing the query

* Queries need to be tested to ensure that they work correctly. Once you have created a set of test data, manually check the test data to identify the records that meet the criteria specified in the query.

1. Testing formulas

* Each formula needs to be tested. You need to choose appropriate test data for which it is easy to determine if the final result is accurate or not.